

WE CLAIM:

1. A method of talk request processing in a do-not-disturb (DnD) capable communication system, the method comprising:

5 receiving a talk request for a requested communications session involving a user device capable of walkie-talkie-like functionality; and

10 selectively overriding DnD functionality for the requested communications session as a function of an ignoreDnD attribute for the user device.

2. A method according to claim 1 wherein the user device is a wireless device.

3. A method according to claim 2 wherein the ignoreDnD attribute comprises an ignoreDnD flag, and wherein selectively overriding said DnD functionality is a function of the ignoreDnD flag.

4. A method according to claim 3 wherein the ignoreDnD attribute comprises at least one predetermined ignore reason value, and wherein selectively overriding said DnD functionality is a function of the at least one predetermined ignore reason value.

5. A method according to claim 4, wherein the talk request has a current state associated therewith, the current state being one of a number of possible current states for the talk request, wherein each predetermined ignore reason value represents a corresponding possible current state for the talk request, the method further comprising:

evaluating the ignoreDnD flag to determine whether further ignoreDnD processing is to be performed, and if

evaluating the ignoreDnD flag determines that further ignoreDnD processing is to be performed:

a) determining the current state of the talk request; and

5 b) for each of the at least one predetermined ignore reason value:

i) comparing the corresponding possible current state with the current state of the talk request;

10 wherein said DnD functionality is overridden if any corresponding possible current state matches the current state of the talk request.

6. A method according to claim 5 wherein each possible current state of the number of possible current states for the talk request is a priority state of the talk request at the 15 time it was received.

7. A method according to claim 5 wherein the ignoreDnD flag comprises a boolean value, and wherein:

evaluating the ignoreDnD flag comprises identifying the boolean values and comparing the boolean value to a 20 predetermined boolean value indicative of whether further processing is to be performed.

8. A method according to claim 5 wherein the number of possible current states for the talk request comprise at least one of "urgent", and "emergency".

25 9. A method according to claim 2 further comprising maintaining the ignoreDnD attribute for a plurality of user devices as a function of inputs received from the user devices.

10. A talk request processing system in a do-not-disturb (DnD) capable communication system, the talk request processing system comprising:

5 a receiver adapted to receive a talk request for a requested communications session involving a user device capable of walkie-talkie-like functionality; and

10 a network call processing function adapted to selectively override DnD functionality for the requested communications session as a function of an ignoreDnD attribute for the user device.

11. A talk request processing system according to claim 10 wherein the user device is a wireless device.

12. A talk request processing system according to claim 11 wherein the network call function comprises:

15 a data store adapted to store the ignoreDnD attribute for the user device;

a DnD processing function adapted to provide DnD functionality; and

20 an ignoreDnD processing function adapted to override DnD functionality for the requested communications session as a function of the ignoreDnD attribute stored in the data store for the user device.

25 13. A talk request processing system according to claim 12 wherein the ignoreDnD attribute comprises an ignoreDnD flag and at least one predetermined ignore reason value, and wherein the ignoreDnD processing function selectively overrides said DnD functionality as a function of the ignoreDnD flag and the at least one predetermined ignore reason value.

14. A talk request processing system according to
claim 13 wherein the talk request has a current state
associated therewith, the current state being one of a number
of possible current states for the talk request, wherein each
5 predetermined ignore reason value represents a corresponding
possible current state for the talk request, wherein the
ignoreDnD processing function:

retrieves the ignoreDnD attribute from the data
store; and

10 evaluates the ignoreDnD flag to determine whether
further ignoreDnD processing is to be performed, and if
evaluating the ignoreDnD flag determines that further ignoreDnD
processing is to be performed:

15 a) determines the current state of the talk request;
and

b) for each of the at least one predetermined ignore
reason value:

i) compares the corresponding possible
current state with the current state of the talk request;

20 wherein said DnD functionality is overridden if any
corresponding possible current state matches the current state
of the talk request.

15. A talk request processing system according to
claim 14 wherein each possible current state of the number of
25 possible current states for the talk request is a priority
state of the talk request at the time it was received.

16. A talk request processing system according to
claim 14 wherein the ignoreDnD flag comprises a boolean value,
and wherein:

evaluating the ignoreDnD flag comprises identifying the boolean and comparing the boolean value to a predetermined boolean value indicative of whether further processing is to be performed.

5 17. A talk request processing system according to
claim 16 wherein the number of possible current states for the
talk request comprise at least one of "urgent", and
"emergency".

10 18. A talk request processing system according to
claim 11 further adapted to maintain the ignoreDnD attribute
for each of a plurality of user devices or as a function of
inputs from the user devices.

19. A talk request processing system according to
claim 11 in the form of a call processing server.

15 20. A user device capable of walkie-talkie-like
functionality for a do-not-disturb (DnD) capable communication
system, the user device comprising:

a user interface adapted to accept an external input
to modify an ignoreDnD attribute for the user device;

20 an ignoreDnD attribute request generator responsive
to said external input adapted to send a network call
processing server a request to update the ignoreDnD attribute
of the user device.

21. A user device according to claim 20 wherein the user
25 device is a wireless device.

22. A user device according to claim 21 further
comprising:

a user interface display for displaying modifications
for the ignoreDnD attribute indicated by the external input.

23. A user device according to claim 22 wherein the user interface is further adapted to accept an external query input to retrieve an ignoreDnD attribute for the user device, the ignore DnD attribute request generator is further adapted to:

5 (a) send a network call processing server a query to retrieve the ignoreDnD attribute of the user device; and

b) receive a response to said query from the network;

wherein the user interface display is adapted to, in response to the ignoreDnD attribute request generator receiving
10 the response to said query, display the ignoreDnD attribute for the user device.

24. A memory for storing data for access by a talk request processing system, comprising:

a data structure stored in said memory, said data
15 structure being an ignoreDnD attribute comprising at least one predetermined ignore reason value.